

ABSTRACT OF THE DISCLOSURE

A sleeve 1 is fixed on a base. Radial dynamic-pressure generating grooves 1A and 1B are provided on an inner surface of the sleeve 1. A thrust plate 4 hermetically seals a lower opening
5 end of the sleeve 1. A shaft 2 is inserted inside the sleeve 1, being allowed to revolve. A flange 3 is fixed at the bottom end of the shaft 2, and its lower surface is placed close to an upper surface of the thrust plate 4. Thrust dynamic-pressure generating grooves 3A and 3B are provided on the surfaces of the flange 3.
10 Gaps A-H among the sleeve 1, the shaft 2, the flange 3, and the thrust plate 4 are filled with a lubricant 5. Hollows 1C-1F are provided on the inner surface of the sleeve 1. The gaps A and C over the thrust dynamic-pressure generating grooves 3A and 3B and their vicinities are narrower than the surrounding gaps B and D
15 ($A < B$, $A < D$, $C < B$, and $C < D$), and the surrounding gaps B and D are narrower than the gap H in the upper opening end of the sleeve 1 and its vicinity ($B < H$ and $D < H$). The gaps E and G over the radial dynamic-pressure generating grooves and their vicinities are narrower than the surrounding gaps D and F ($E < D$, $E < F$, $G < D$, and $G < F$),
20 and the surrounding gaps D and F are narrower than the gap H in the upper opening end of the sleeve 1 and its vicinity ($D < H$ and $F < H$).